

CLAIMS

1. A collecting system for collecting operational information on a closed system comprising at least one of the following components configured to be monitored:

- a processor
- a memory
- peripheral equipment
- an interface logic,

wherein the collecting system further comprises:

at least one instrument to be functionally connected to the monitorable component of the closed system and being configured to collect operational information on at least one of said components, and

a data collector comprising at least one register and being configured to receive operational information collected by said instrument, the register being configured to store said operational information.

2. A collecting system as claimed in claim 1, wherein

the collecting system also comprises at least one analyzing module configured to receive the operational information of said at least one component from the data collector and to determine the performance and/or power consumption of the closed system on the basis of the received operational information of the at least one component.

3. A collecting system as claimed in claim 2, wherein

the collecting system also comprises at least one controlling module comprising at least one control algorithm and being functionally connected to the analyzing module and configured to adjust the performance and/or power consumption of said closed system in response to analysis information received from the analyzing module.

4. A collecting system as claimed in claim 1, wherein

at least one of the following components is configured to be connected as part of the closed system:

- the instrument
- the data collector
- the analyzing module
- the controlling module.

5. A collecting system as claimed claim 1, wherein

said instrument is a conductor between the component being monitored and the data collector.

6. A collecting system as claimed in claim 1, wherein said instrument is configured to store said operational information.

7. A collecting system as claimed in claim 1, wherein said data collector is configured to receive the operational information of one or more components being monitored in the closed system.

8. A collecting system as claimed in claim 2, wherein the operation of the analyzing module and/or controlling module is programmable at run time.

9. A collecting system as claimed in claim 1, wherein the closed system is one of the following:

- ASIC (application-specific integrated circuit)
- FPGA (field programmable gate array) circuit.

10. A method for collecting operational information on a closed system comprising at least one of the following components configured to be monitored:

- a processor
 - a memory
 - peripheral equipment
 - an interface logic,
- comprising

collecting operational information on at least one monitorable component of the closed system by means of an instrument connected functionally to the component,

transmitting at least part of said operational information to a data collector, and

storing at least part of said operational information in at least one register in the data collector.

11. A method as claimed in claim 10, comprising determining the performance and/or power consumption of the closed system in an analyzing module connected functionally to the data collector on the basis of the received operational information of at least one component.

12. A method as claimed in claim 11, wherein

a controlling module is functionally connected to said analyzing module, whereby the performance and/or power consumption of said closed system is adjusted in response to the analysis information received from the analyzing module.

13. A method as claimed in claim 10, comprising storing said operational information in said instrument.

14. A method as claimed in claim 10, comprising receiving at one data collector the operational information of one or more components of the closed system.

15. A method as claimed in claim 11, comprising programming the operation of the analyzing module and/or controlling module at run time.

16. An electronic device comprising a closed system that comprises at least one of the following components configured to be monitored:

- a processor
- a memory
- peripheral equipment
- an interface logic,

wherein the electronic device further comprises:

an instrument functionally connected to at least one monitorable component of the closed system and configured to collect operational information on said component, and

a data collector comprising at least one register and configured to receive the operational information collected by said instrument, the register being configured to store said operational information.

17. An electronic device as claimed in claim 16, wherein the electronic device further comprises at least one analyzing module configured to receive from the data collector the operational information of said at least one component and to determine the performance and/or power consumption of the closed system on the basis of the received operational information of the at least one component.

18. An electronic device as claimed in claim 17, wherein the electronic device also comprises a controlling module comprising at least one control algorithm and being functionally connected to the analyzing module and configured to adjust the performance and/or power con-

sumption of said closed system in response to analysis information received from the analyzing module.

19. An electronic device as claimed in claim 16, wherein the electronic device is one of the following:

- a mobile station
- a computer
- a television.

20. A software product adaptable to an electronic device, wherein the software product comprises:

a software code for collecting operational information on at least one monitorable component of a closed system in the electronic device, and
a software code for receiving and storing said operational information.

21. A software product as claimed in claim 20, wherein the software product also comprises at least one of the following:

- a software code for determining the performance and/or power consumption of the closed system on the basis of the received operational information of at least one component,
- a software code for adjusting the performance and/or power consumption of the closed system in response to analysis information received from an analyzing module of the electronic device,
- a software code for programming the operation of the analyzing module at run time,
- a software code for programming the operation of a controlling module functionally connected to the analyzing module at run time.